

PUBLIC NOTICE

PERMIT APPLICATION: NRS 04.440

APPLICANT: Ocoee Development
Thomas Cate, partner
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Cleveland, TN 37364-0548
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LOCATION: Overbriar subdivision, North Ocoee Street and Weeks Drive,
Cleveland, Tenn. Bradley County
Latitude 35.1829 °N, Longitude -84.8587 °W

WATERSHED DESCRIPTION: The area impacted by this project is part of the Hiwassee River watershed (HUC 0602000206). The wetlands originate with a groundwater seep that flows toward Fillauer Branch during rain events. The wetlands consist of 0.125 acres dominated by herbaceous plants including lawn grass, sedges and rushes. The project area is mainly grassy fields, minor wooded areas and a previously developed phase of the Overbriar subdivision.
(Site photos are included on Internet version of this notice located at <http://www.state.tn.us/environment/wpc/wpcppo/arap/>)

PROJECT DESCRIPTION: This project is part of an on-going residential development and the impacted wetlands are located on two adjacent lots. The project will preserve 0.017 acres of the existing wetland (total impact .1085 acres) and create .348 acres of wetlands (a 3.2:1 ratio) adjacent to the impacted site and continuous with the preserved area. Plants native to the wetland will be moved from the filled area into the created wetlands. In addition, tree saplings will be planted throughout the preserved and created wetland to enhance the area.

PERMIT COORDINATOR: Juliana W. Kyzar

USGS TOPOGRAPHIC QUADRANGLE: East Cleveland, 620-NE

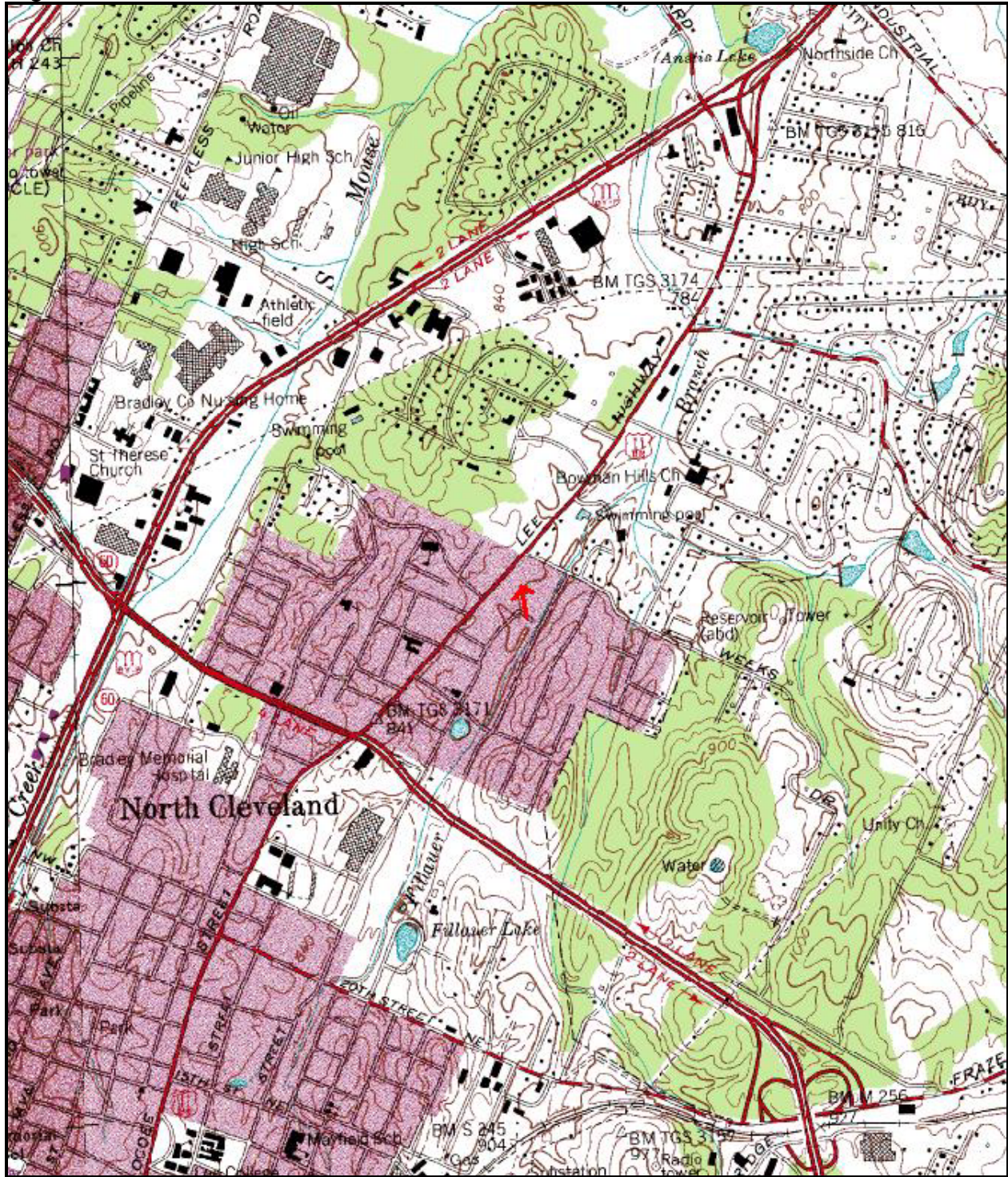


Figure 1: USGS topographic map showing project location



Photo 1: Groundwater seep area on October 1, 2004.
Photo by JHI from Chattanooga Environmental Field Office



Photo 2: View of wetland facing down-slope on October 1, 2004.
Photo by JHI from Chattanooga Environmental Field Office

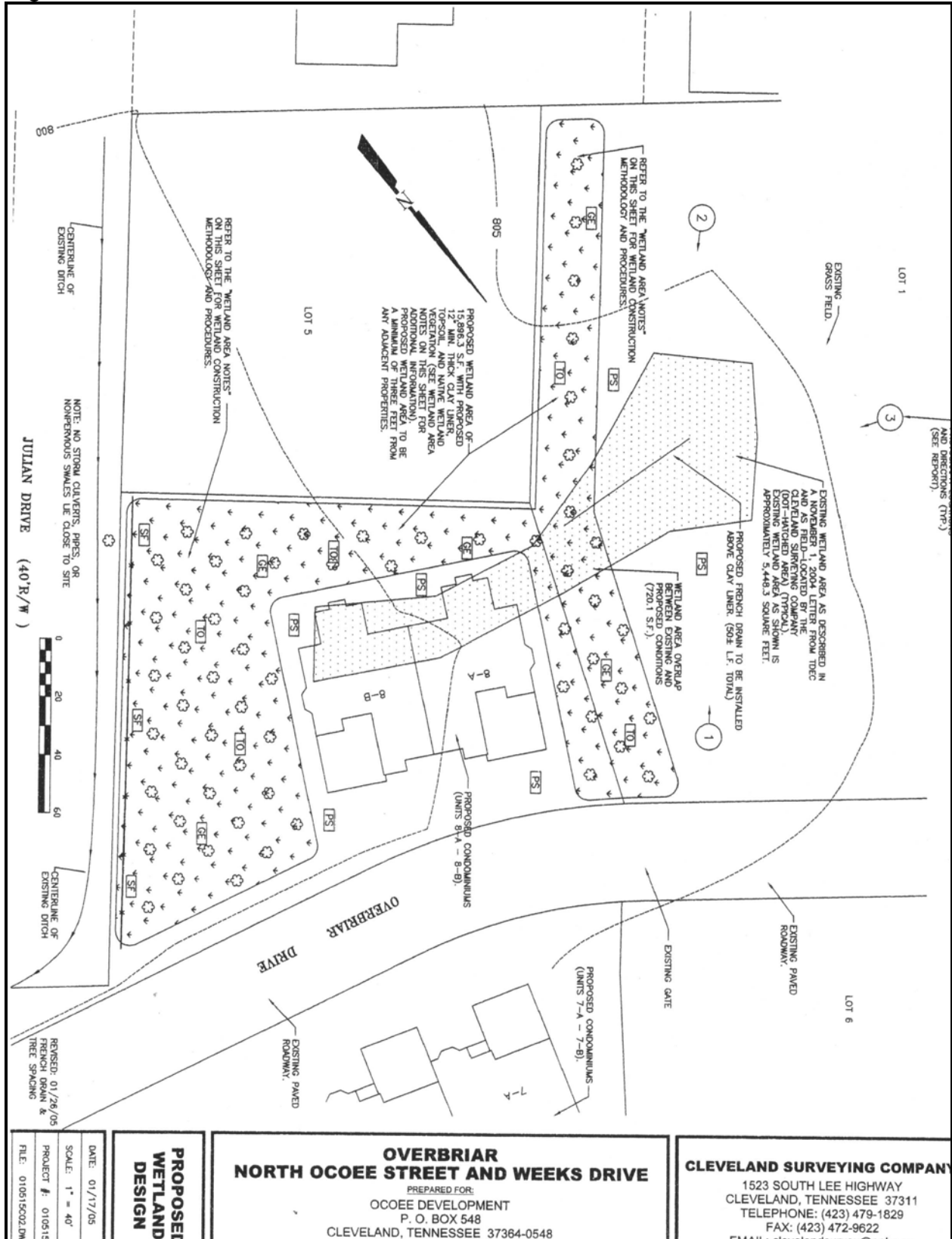


Figure 2: Site plan showing existing and proposed wetlands.

WETLAND AREA NOTES:

1. IN ACCORD WITH THE "TENNESSEE GUIDE TO THE SELECTION AND DESIGN OF STORMWATER BEST MANAGEMENT PRACTICES (BMPS)" (PAGE W-01), PREPARED BY THE TENNESSEE WATER RESOURCES RESEARCH CENTER AND THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION, THE PROPOSED WETLAND AREA SHALL HAVE A CLAY LINER WITH A MINIMUM THICKNESS OF TWELVE INCHES (12") THICK.
2. THE CLAY LINER SHALL MEET THE THE FOLLOWING CRITERIA AS ESTABLISHED BY THE "VIRGINIA STORMWATER MANAGEMENT HANDBOOK," PAGE 3.07-23:
 - A. PERMEABILITY (ASTM D-2434) - 0.000001 CM/SEC
 - B. PLASTICITY INDEX (ASTM D-423 AND D-424) - NOT LESS THAN 15%
 - C. LIQUID LIMIT OF CLAY (ASTM D-2216) - NOT LESS THAN 30%
 - D. CLAY PARTICLES PASSING (ASTM D-422) - NOT LESS THAN 30%
 - E. CLAY COMPACTION (ASTM D-2216) - 95% OF STANDARD PROCTOR
3. A 6" - 12" LAYER OF COMPACTED TOPSOIL SHALL BE PLACED OVER THE PROPOSED CLAY LINER.
4. THE PROPOSED WETLAND AREA SHALL HAVE PLANTS NATIVE TO THE EXISTING WETLAND AREA AS MUCH AS POSSIBLE (INCLUDING SEDGES AND RUSHES). TREE SAPLINGS SHALL BE PLANTED AT TEN FEET (10') CENTERS. TREE SPECIES SHALL BE A MINIMUM OF THREE OF THE FOLLOWING SPECIES: RED MAPLE, SILVER MAPLE, SWEET GUM, OR SYCAMORE.
5. THE EXISTING WETLAND AREA SHOWN IS 5,448.3 S.F.
THE AREA IN THE PROPOSED WETLAND AREA IS 15,896.3 S.F.
THE AREA OF "OVERLAP" IN BOTH THE EXISTING AND PROPOSED WETLAND AREAS IS 720.1 S.F.
THEREFORE, THE LOSS OF EXISTING WETLAND AREA IS
 $5,448.3 \text{ S.F.} - 720.1 \text{ S.F.} = 4,728.2 \text{ S.F.}$
THE NET PROPOSED WETLAND AREA PROVIDED IS
 $15,896.3 \text{ S.F.} - 720.1 \text{ S.F.} = 15,176.2 \text{ S.F.}$
THUS, THE MITIGATION RATIO PROVIDED IS:
 $15,176.2 \text{ S.F.} / 4,728.2 \text{ S.F.} = 3.21.$
6. THE PROPOSED FINAL GRADES IN THE WETLAND AREA ARE TO APPROXIMATE THE EXISTING GRADES AS MUCH AS POSSIBLE. ANY DEVIATIONS SHALL BE WITH THE PROPOSED WETLAND AREA BEING SIX TO TWELVE INCHES (6" - 12") LOWER THAN THE SURROUNDING GROUND GRADES.

Figure 3: Wetland notes from plan sheet C-2.